

## Abstract

The invention relates to a self-boosting electromagnetic disk brake (10) having an electromechanical actuating device (38) and a mechanical self-boosting device that has a wedge mechanism (36). The invention proposes embodying a wedge (28) as displaceable parallel to a brake disk (16) and relative to a friction brake lining (26), and limiting the relative displaceability of the wedge (28) relative to the friction brake lining (26) to one direction, by means of a slaving device (44). The invention brings about a decoupling of the wedge (28) from the friction brake lining (26) in one direction of rotation of the brake disk (16). As a result, the self-boosting device (36) is operative in only one direction of rotation of the brake disk (16); in the reverse direction of rotation of the brake disk (16), the disk brake (10) is neutral in terms of self-help. (Fig.1)